

Message

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**From:** Sacks, Jason [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=2099BEC11CED4D5C88C07A89AA8EE652-SACKS, JASON]  
**Sent:** 10/15/2018 8:57:06 PM  
**To:** Thacker, Samuel [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6d82b0fb721a4323bd20a467d6568bc8-Thacker, Samuel]  
**CC:** Jones, Ryan [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4e129f012e2c46c1996c55b8d9dcfe18-Jones, Ryan]; Nichols, Jennifer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7d638fae8c4841019a64903ee852219f-Nichols, Jennifer]; Dutton, Steven [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=795a1526feec425f8be0b3f5c0a671c6-Dutton, Steve]; Vandenberg, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dcae2b98a04540fb8d099f9d4dead690-Vandenberg, John]; Greaver, Tara [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=87aaee6c3784c4ba57193cdb5ba84f4-Greaver, Tara]  
**Subject:** RE: POSTING -- PM ISA and FR notices

Awesome, thank you!

I'll think about it and let you know, but I think it's OK for now. Others please chime in if you see anything I've missed.

Jason

Jason D. Sacks, M.P.H.  
Epidemiologist  
U.S. Environmental Protection Agency  
National Center for Environmental Assessment  
Phone: 919-541-9729  
Fax: 919-541-1818

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**From:** Thacker, Samuel  
**Sent:** Monday, October 15, 2018 4:56 PM  
**To:** Sacks, Jason <Sacks.Jason@epa.gov>  
**Cc:** Jones, Ryan <Jones.Ryan@epa.gov>; Nichols, Jennifer <Nichols.Jennifer@epa.gov>; Dutton, Steven <Dutton.Steven@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Greaver, Tara <Greaver.Tara@epa.gov>  
**Subject:** RE: POSTING -- PM ISA and FR notices

They have been removed. Let us know if you want any other changes.

Thanks,  
Shane

Shane Thacker | HERO Technical Information Specialist  
U.S. EPA | ORD | NCEA | NCEA-RTP IO, Office: B240J  
919.541.5159 | [thacker.samuel@epa.gov](mailto:thacker.samuel@epa.gov)

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**From:** Sacks, Jason  
**Sent:** Monday, October 15, 2018 4:52 PM  
**To:** Thacker, Samuel <[Thacker.Samuel@epa.gov](mailto:Thacker.Samuel@epa.gov)>

**Cc:** Jones, Ryan <[Jones.Ryan@epa.gov](mailto:Jones.Ryan@epa.gov)>; Nichols, Jennifer <[Nichols.Jennifer@epa.gov](mailto:Nichols.Jennifer@epa.gov)>; Dutton, Steven <[Dutton.Steven@epa.gov](mailto:Dutton.Steven@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Greaver, Tara <[Greaver.Tara@epa.gov](mailto:Greaver.Tara@epa.gov)>  
**Subject:** RE: POSTING -- PM ISA and FR notices

Hi Shane,

Can you remove the peer input tags?

I think we can have Considered, 1<sup>st</sup> Draft (with each of the chapter categories), and then In Scope (with each of the categories below In Scope).

Thanks!

Jason

Jason D. Sacks, M.P.H.  
Epidemiologist  
U.S. Environmental Protection Agency  
National Center for Environmental Assessment  
Phone: 919-541-9729  
Fax: 919-541-1818

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**From:** Thacker, Samuel  
**Sent:** Monday, October 15, 2018 4:43 PM  
**To:** Sacks, Jason <[Sacks.Jason@epa.gov](mailto:Sacks.Jason@epa.gov)>  
**Cc:** Jones, Ryan <[Jones.Ryan@epa.gov](mailto:Jones.Ryan@epa.gov)>; Nichols, Jennifer <[Nichols.Jennifer@epa.gov](mailto:Nichols.Jennifer@epa.gov)>; Dutton, Steven <[Dutton.Steven@epa.gov](mailto:Dutton.Steven@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Greaver, Tara <[Greaver.Tara@epa.gov](mailto:Greaver.Tara@epa.gov)>  
**Subject:** RE: POSTING -- PM ISA and FR notices

Hi, Jason. ISA-PM is public and reindexed, so all of the references will show up.

<https://hero.epa.gov/hero/particulate-matter>

We're also showing the tags. Let me know if you need any of those removed from the page.

Thanks,  
Shane

Shane Thacker | HERO Technical Information Specialist  
U.S. EPA | ORD | NCEA | NCEA-RTP IO, Office: B240J  
919.541.5159 | [thacker.samuel@epa.gov](mailto:thacker.samuel@epa.gov)

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**From:** Sacks, Jason  
**Sent:** Monday, October 15, 2018 1:29 PM  
**To:** Thacker, Samuel <[Thacker.Samuel@epa.gov](mailto:Thacker.Samuel@epa.gov)>  
**Cc:** Jones, Ryan <[Jones.Ryan@epa.gov](mailto:Jones.Ryan@epa.gov)>; Nichols, Jennifer <[Nichols.Jennifer@epa.gov](mailto:Nichols.Jennifer@epa.gov)>; Dutton, Steven <[Dutton.Steven@epa.gov](mailto:Dutton.Steven@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Greaver, Tara <[Greaver.Tara@epa.gov](mailto:Greaver.Tara@epa.gov)>  
**Subject:** RE: POSTING -- PM ISA and FR notices

Hi Shane,

Please activate the public HERO site for the PM ISA.

Thanks!

Jason

Jason D. Sacks, M.P.H.  
Epidemiologist  
U.S. Environmental Protection Agency  
National Center for Environmental Assessment  
Phone: 919-541-9729  
Fax: 919-541-1818

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**From:** Sacks, Jason  
**Sent:** Monday, October 15, 2018 12:48 PM  
**To:** Thacker, Samuel <[Thacker.Samuel@epa.gov](mailto:Thacker.Samuel@epa.gov)>  
**Cc:** Jones, Ryan <[Jones.Ryan@epa.gov](mailto:Jones.Ryan@epa.gov)>; Nichols, Jennifer <[Nichols.Jennifer@epa.gov](mailto:Nichols.Jennifer@epa.gov)>; Dutton, Steven <[dutton.steven@epa.gov](mailto:dutton.steven@epa.gov)>  
**Subject:** RE: POSTING -- PM ISA and FR notices

Hi Shane,

The PM ISA will be released today. Once I get the go ahead can you flip the switch to activate the public HERO site for the ISA?

Thanks!

Jason

Jason D. Sacks, M.P.H.  
Epidemiologist  
U.S. Environmental Protection Agency  
National Center for Environmental Assessment  
Phone: 919-541-9729  
Fax: 919-541-1818

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**From:** Dutton, Steven  
**Sent:** Monday, October 15, 2018 8:12 AM  
**To:** Sacks, Jason <[Sacks.Jason@epa.gov](mailto:Sacks.Jason@epa.gov)>  
**Cc:** Thacker, Samuel <[Thacker.Samuel@epa.gov](mailto:Thacker.Samuel@epa.gov)>; Jones, Ryan <[Jones.Ryan@epa.gov](mailto:Jones.Ryan@epa.gov)>; Nichols, Jennifer <[Nichols.Jennifer@epa.gov](mailto:Nichols.Jennifer@epa.gov)>  
**Subject:** Fwd: POSTING -- PM ISA and FR notices

Hi Jason, this is great news! Keep HERO in the loop as well so we can make the PM Project Page live. Ryan, Jen, and I are in Cincinnati but Shane can flip the switch for us.

Steve

Sent from my iPhone

Begin forwarded message:

**From:** "Bahadori, Tina" <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>  
**Date:** October 15, 2018 at 6:20:15 AM EDT  
**To:** "Sacks, Jason" <[Sacks.Jason@epa.gov](mailto:Sacks.Jason@epa.gov)>, "Champlin, Anna" <[Champlin.Anna@epa.gov](mailto:Champlin.Anna@epa.gov)>  
**Cc:** "Ross, Mary" <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>, "Vandenberg, John" <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>, "Dutton, Steven" <[Dutton.Steven@epa.gov](mailto:Dutton.Steven@epa.gov)>, "Jones, Samantha" <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>  
**Subject:** POSTING -- PM ISA and FR notices

Jason and Anna,

I had an exchange with John this weekend about this and would like to revise my thinking. Once John transmits to SAB DFO (Aaron Yeow), at that point we can post to NCEA website. So, please go ahead and coordinate with Maureen and Anna on this. Transmittal to CASAC via Aaron is technically public transmittal, so posting is OK.

Anna, I am going to delegate FR signatures to James Avery this morning. James can hopefully sign off on both and Taukecha can get them processed. But would you please keep an eye on the process for me?

Thanks all!

Tina

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**From:** Sacks, Jason  
**Sent:** Friday, October 12, 2018 4:12 PM  
**To:** Champlin, Anna <[Champlin.Anna@epa.gov](mailto:Champlin.Anna@epa.gov)>; Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Dutton, Steven <[Dutton.Steven@epa.gov](mailto:Dutton.Steven@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>  
**Cc:** Cunningham, Taukecha <[Cunningham.Taukecha@epa.gov](mailto:Cunningham.Taukecha@epa.gov)>  
**Subject:** RE: FRN for IOAA Review/Signature - PM ISA

I'll take care of this now. Is the plan to post the ISA Monday even though the FR notice may take a little longer? I just need to let Maureen know on Monday.

Thanks!

Jason

Jason D. Sacks, M.P.H.  
Epidemiologist  
U.S. Environmental Protection Agency  
National Center for Environmental Assessment  
Phone: 919-541-9729  
Fax: 919-541-1818

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**From:** Champlin, Anna  
**Sent:** Friday, October 12, 2018 10:09 AM  
**To:** Bahadori, Tina <[Bahadori.Tina@epa.gov](mailto:Bahadori.Tina@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Dutton, Steven <[Dutton.Steven@epa.gov](mailto:Dutton.Steven@epa.gov)>; Sacks, Jason <[Sacks.Jason@epa.gov](mailto:Sacks.Jason@epa.gov)>; Jones, Samantha <[Jones.Samantha@epa.gov](mailto:Jones.Samantha@epa.gov)>  
**Cc:** Cunningham, Taukecha <[Cunningham.Taukecha@epa.gov](mailto:Cunningham.Taukecha@epa.gov)>  
**Subject:** RE: FRN for IOAA Review/Signature - PM ISA

PM has been signed off on! Jason – please work with Taukecha to get the FR posted, who will need the latest version of the FR. Bruce had minor comments, which I believe I've sent to you.

Thanks,

Anna Champlin  
National Center for Environmental Assessment  
EPA Office of Research and Development  
(Desk) 202-564-8074

**Personal Phone / Ex. 6**

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**From:** Champlin, Anna  
**Sent:** Wednesday, August 15, 2018 1:47 PM  
**To:** Fleming, Megan <Fleming.Megan@epa.gov>  
**Cc:** Blackburn, Elizabeth <Blackburn.Elizabeth@epa.gov>; Perry, Dale <Perry.Dale@epa.gov>; Bahadori, Tina <Bahadori.Tina@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Vandenberg, John <Vandenberg.John@epa.gov>; Dutton, Steven <Dutton.Steven@epa.gov>  
**Subject:** FRN for IOAA Review/Signature - PM ISA

Hi Megan,

Attached for IOAA review and signature is the FRN announcing the release of the "Integrated Science Assessment for Particulate Matter (External Review Draft)" for public comment and external peer review by the Science Advisory Board's Clean Air Scientific Advisory Committee (SAB-CASAC). As you recall, NCEA briefed IOAA and OAR senior leadership on August 7th on the upcoming release of the draft PM ISA. John Vandenberg also previously shared the pdf of the document and provided HEROnet access to the underlying publications.

Attached is the FRN, FRN signature memo, the draft ISA, and the August 7<sup>th</sup> PowerPoint briefing. **If possible, it would be great to have this signed by next week.** Let me know if you have any questions.

Thanks,

Anna Champlin  
National Center for Environmental Assessment  
EPA Office of Research and Development  
(Desk) 202-564-8074

**Personal Phone / Ex. 6**

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**From:** Vandenberg, John  
**Sent:** Monday, August 13, 2018 4:10 PM  
**To:** Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>; Robbins, Chris <Robbins.Chris@epa.gov>; Yamada, Richard (Yujiro) <yamada.richard@epa.gov>; Rodan, Bruce <rodan.bruce@epa.gov>; Wehrum, Bill <Wehrum.Bill@epa.gov>; Woods, Clint <woods.clint@epa.gov>  
**Cc:** Bahadori, Tina <Bahadori.Tina@epa.gov>; Ross, Mary <Ross.Mary@epa.gov>; Jones, Samantha <Jones.Samantha@epa.gov>; Christian, Megan <Christian.Megan@epa.gov>; McPherson, Mark <McPherson.Mark@epa.gov>; Kuhn, Kevin <Kuhn.Kevin@epa.gov>; Fleming, Megan <Fleming.Megan@epa.gov>; D'Amico, Louis <DAmico.Louis@epa.gov>; Sasser, Erika <Sasser.Erika@epa.gov>; Dutton, Steven <Dutton.Steven@epa.gov>; Greaver, Tara <Greaver.Tara@epa.gov>; Sacks, Jason <Sacks.Jason@epa.gov>; Wesson, Karen <Wesson.Karen@epa.gov>; Tsirigotis, Peter <Tsirigotis.Peter@epa.gov>; Champlin, Anna <Champlin.Anna@epa.gov>  
**Subject:** Draft PM ISA

Thank you for the opportunity to brief you last week on the draft Integrated Science Assessment for Particulate Matter. I am providing an electronic copy of the draft ISA to you. The file is large, at 34 MB. Please let me know if you have any difficulty accessing the document.

This is a working draft and while the efforts to develop and review the text have been completed, we are still fixing some figures that are not printing correctly and making other minor revisions. We anticipate completing the production of the document by the end of August for transmittal to the CASAC DFO. The CASAC meeting to review this document has been scheduled for December 11-12, 2018.

The hotlinks to publications in the document are for the HERONet version, which is used by the CASAC peer reviewers to access the literature, including copyrighted materials. These links take you to the EPA HERO Login page and may not work for you. Other links in the document, to tables, figures and sections, should work for you. We are checking the links as we prepare the document for release. The "public" version, which does not provide access to copyrighted material, is generated later.

Please let me know if you have any questions.

John

John Vandenberg, PhD  
Director, Research Triangle Park Division  
National Center for Environmental Assessment/ORD  
U.S. Environmental Protection Agency/B243-01  
Research Triangle Park, NC 27711  
(919) 541-4527